

# MONTHLY KILOWATT HOUR CHART

## COMPOSITE OF KILOWATTHOUR RATINGS FOR VARIOUS APPLIANCES (Pre-Energy Crisis Estimates)

Name	Typical Watts	Hrs./ Mo.	KWHRs/ Mo.
Air conditioner, central			620*
Air conditioner, window	1566	74	116*
Battery charger			1*
Blanket	190	80	15†
Blanket	50-200		15†
Blender	350	3	1†
Bottle sterilizer	500		15
Bottle warmer	500	6	3†
Broiler	1436	6	8.5
Clock	1-10		1-4†
Clothes drier	4600	20	92†
Clothes drier, electric heat	4856	18	8†
Clothes drier, gas heat	325	18	6†
Clothes washer			8.5*
Clothes washer, auto.	250	12	3†
Clothes washer, conventional	200	12	2†
Clothes washer, auto.	512	17.3	9†
Clothes washer, ringer	275	15	4†
Clippers	40-60		1/2
Coffee maker	800	15	12†
Coffee maker, twice a day			8*
Coffee percolator	300-600		3-10†
Coffee pot	894	10	9†
Cooling, attic fan	1/6-3/4 hp		60-90†
Cooling, refrigeration	3/4-1 ton		200-500†
Corn popper	460-650		1†
Curling iron	10-20		1/2†
Dehumidifier	300-500		50*
Dishwasher	1200	30	36†
Dishwasher	1200	25	30†
Disposal	375	2	1*
Disposal	445	6	3*
Drill, electric, 1/4"	250	2	5—
Elec. baseboard heat	10,000	160	1600†
Electrocutor, insect	5-250		1*
Electronic oven	3000-7000		100*
Fan, attic	370	65	24†
Fan, kitchen	250	30	8†
Fan, 8"-16"	35-210		4-10†
Food blender	200-300		1/2†
Food warming tray	350	20	7*
Footwarmer	50-100		1†
Floor polisher	200-400		1*
Freezer, food, 5-30 c. ft.	300-800		30-125†
Freezer, ice cream	50-300		1/2
Freezer	350	90	32*
Freezer, 15 cu. ft.	440	330	145*
Freezer, 14 cu. ft.			140*
Freezer, frost free	440	180	57*
Fryer, cooker	1000-1500		5†
Fryer, deep fat	1500	4	6†
Frying pan	1196	12	15†
Furnace, elec. control	10-30		10*
Furnace, oil burner	100-300		25-40*
Furnace, blower	500-700		25-100†
Furnace, stoker	250-600		3-60†
Furnace, fan			32†
Garbage disposal equipment	1/4-1/3 HP		1/2*
Griddle	450-1000		5†
Grill	650-1300		5†
Hair drier	200-1200		1/2-6†
Hair drier	400	5	2†
Heat lamp	125-250		2†
Heater, aux.	1320	30	40†
Heater, portable	660-2000		15-30†
Heating pad	25-150		1†
Heating pad	65	10	1†
Heat lamp	250	10	3†
Hi Fi Stereo			9†
Hot plate	500-1650		7-30†
House heating	8000-15,000		1000-2500†
Humidifier	500		5-15*
Iron	1100	12	13†
Iron			12†
Iron, 16 hrs./month			13†
Ironer	1500	12	18†
Knife sharpener	125		1/4*
Lawnmower	1000	8	8†
Lighting	5-300		10-40—
Lights, 6 room house in winter			60—
Light bulb, 75	75	120	9—
Light bulb, 40	40	120	4.8—

Mixer	125	6	1+•
Mixer, food	50-200		1+•
Movie projector	300-1000		
Oil burner	500	100	50*
Oil burner			50*
Oil burner, 1/8 HP	250	64	16*
Pasteurizer, 1/2 gal.	1500		10-40†
Polisher	350	6	2+
Post light, dusk to dawn			35—
Power tools			3—
Projector	500	4	2†
Pump, water	450	44	20†
Pump, well			20†
Radio			8*
Radio, console	100-300		5-15*
Radio, table	40-100		5-10*
Range	8500-1600		100-150†
Range, 4 person family			100†
Record player	75-100		1-5*
Record player, transistor	60	50	3*
Record player, tube	150	50	7.5*
Recorder, tape	100	10	1*†
Refrigerator	200-300		25-30†•
Refrigerator, conventional			83†•
Refrigerator-freezer	200	150	30†•
Refrigerator-freezer, 14 cu. ft.	326	290	95†•
Refrigerator-freezer, frost free	360	500	180†
Roaster	1320	30	40*
Rotisserie	1400	30	42*
Sauce pan	300-1400		2-10†
Sewing machine	30-100		1/2-2—
Sewing machine	100	10	1—
Shaver	12		1/10—°
Skillet	1000-1350		5-20†
Skil Saw	1000	6	6—
Sunlamp	400	10	4—
Sunlamp	279	5.4	1.5—
Television	200-315		15-30†°
TV, BW	200	120	24†°
TV, BW	237	110	25†°
TV, color	350	120	42†°
TV, color			100†°
Toaster	1150	4	5†
Typewriter	30	15	.5*
Vacuum cleaner	600	10	6—
Vacuum cleaner, 1 hr/wk			4—
Vaporizer	200-500		2-5†
Waffle iron	550-1300		1-2†
Washing machine			9†
Washer, automatic	300-700		3-8†
Washer, conventional	100-400		2-4†
Water heater	4474	89	400†
Water heater	1200-7000		200-300†
Water pump (shallow)	1/2 HP		5-20†
Water pump (deep)	1/3-1 HP		10-60†

### AT THE BARN

Name	Capacity HP or watts	Est. KWHR
Barn cleaner	2-5 HP	120/yr.†
Clipping	fractional	1/10 per hr.*
Corn, ear crushing	1-5 HP	5 per ton*
Corn, ear shelling	1/4-2	1 per ton†
Electric fence	7-10 watts	7 per mo.*†
Ensilage blowing	3-5	1/2 per ton†
Feed grinding	1-7½	½-1½ per 100 lbs.†
Feed mixing	1/2-1	1 per ton†
Grain cleaning	1/4-1/2	1 per ton but
Grain drying	1-7½	5-7 per ton†
Grain elevating	1/4-5	4 per 1000 but
Hay-curing	3-7½	60 per ton†
Hay hoisting	1/2-1	1/3 per ton†
Milking, portable	1/4-1/2	1½ per cow/mo.†
Milking, pipeline	1/2-3	2½ per cow/mo.†
Sheep shearing	fractional	1½ per sheep—
Silo unloader	2-5 HP	4-8 per ton†
Silage conveyer	1-3 HP	1-4 per ton†
Stock tan heater	200-1500 watts	varies widely†
Yard lights	100-500 watts	10 per mo†—
Ventilation	1/6-1/3 HP	2-6 per day† per 20 cows

### IN THE MILKHOUSE

Milk cooling	1/2-5 HP	1 per 1000 lbs. milk†
Space heater	1000-3000	800 per year†•

Ventilating fan	fractional	10-25 per mo.†
Water heater	1000-5000	1 per 4 gal.†
FOR POULTRY		
Automatic feeder	1/4-1/2 HP	10-30 KWHR/mo.†
Brooder	200-1000 watts	1/2-1-1/2 per chick† per season
Burglar alarm	10-60 watts	2 per mo.*°
Debeaker	200-500 watts	1 per 3 hrs.*
Egg cleaning or washing	fractional HP	1 per 2000 eggs†
Egg cooling	1/6-1 HP	1½ per case†
Night lighting	40-60 watts	10 per mo.— per 100 birds
Ventilating fan	50-300 watts	day† per 1000 birds
Water warming	50-700 watts	varies widely†
FOR HOGS		
Brooding	100-300 watts	35 per brooding† period/litter
Ventilating fan	50-300 watts	1/4-1-1/2 per day†
Water warming	50-1000 watts	30 per brooding† period/litter
FARM SHOP		
Air compressor	1/4-1/2 HP	1 per 3 hr.†
Arc welding	37½ amp	100 per year†
Battery charger	600-750 watts	2 per battery charge*
Concrete mixing	1/4-2 HP	1 per cu yd†
Drill press	1/6-1 HP	1/2 per hr.†
Fan, 10"	35-55 watts	1 per 20 hr.†
Grinding, energy wheel	1/4-1/3 HP	1 per 3 hr.†
Heater, portable	1000-3000 watts	10 per mo.†•
Heater, engine	100-300 watts	1 per 5 hr.†•
Lighting	50-250 watts	4 per mo.—
Lathe, metal	1/4-1 HP	1 per 3 hr.†•
Lathe, wood	1/4-1 HP	1 per 3 hr.†•
Sawing, circular 8" - 10"	1/3-1/2 HP	1/2 per hr.†
Sawing, jig	1/4-1/3 HP	1 per 3 hr.†
Soldering, iron	60-500 watts	1 per 5 hr.†•

### MISCELLANEOUS

Farm chore motors 1/2-5		1 per HP per hr.†
Insect trap	25-40 watt	1/3 per night*
Irrigating	1 HP up	1 per HP per hr.†
Snow melting, sidewalk and steps, heating— cable imbedded in concrete	25 watts per sq. ft.	2.5 per 100† sq. ft. per hr.
Soil heating, hotbed	400 watts	1 per day per season†
Wood sawing	1-5 HP	2 per cord†

- \* AC power required (can be inverted from battery bank with DC to AC Inverter)
- † Normally AC - usually convertible to DC
- Normally AC-DC, sometimes newer mfg. items are not
- + Normally AC but these items can be purchased new to operate of 115V DC
- Older ones were usually AC-DC
- ° Can be bought battery operated

These figures can be cut by 50% with conservation of electricity.